

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE 1 OF 10 PAGES
2. AMENDMENT/MODIFICATION NO. 293		3. EFFECTIVE DATE (M/D/Y) See Block 16C		4. REQUISITION/PURCHASE REQ. NO. 13EM000976
5. PROJECT NO. (If applicable)				
6. ISSUED BY U.S. Department of Energy Office of River Protection P. O. Box 450, MS H6-60 Richland, WA 99352		7. ADMINISTERED BY (If other than Item 6) CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) Bechtel National, Inc. 2435 Stevens Center Place Richland, WA 99354		9A. AMENDMENT OF SOLICITATION NO.		
		9B. DATED (SEE ITEM 11)		
		10A. MODIFICATION OF CONTRACT/ ORDER NO. DE-AC27-01RV14136		
		10B. DATED (SEE ITEM 13) December 11, 2000		
CODE 396A5		FACILITY CODE 153392068		

11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE DATE AND HOUR SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and amendment and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See continuation pages

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF: Clause I.82, FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) – Alternate III (APR 1984) and I.117, DEAR 970.5204-78 Laws, Regulations, and DOE Directives (Jun 1997)
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

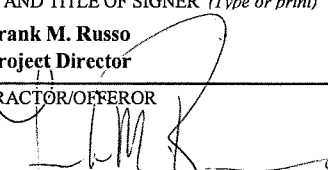
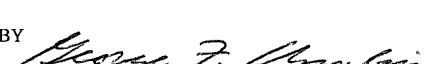
E. IMPORTANT: Contractor is not, **X** is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Reference Continuation Page(s)

Period of Performance: 12/11/2000 to 8/15/2019

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Frank M. Russo Project Director		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) George F. Champlain Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 2/27/13	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 28 Feb 2013

Purpose of Modification:

The purpose of this modification is to make the following changes:

- Section B, *Supplies or Services and Prices/Costs*, Contract Section B.2 *Obligation and Availability of Funds and Contract Value*, is revised to add Low Activity Waste, Analytical Laboratory, Balance of Facilities, Program Direction, and IEWO funding.
- Section C (Statement of Work), Part C.6 (Standards), Standard 9 (Nuclear Safety), remove and replace paragraph 3.
- Section C (Statement of Work), Part C.8 (Operational Specifications), Specification 2 (Immobilized Low-Activity Waste Product), Section 2.2 (Requirements), Subsection 2.2.1 (References), add paragraph number 2.2.1.21.
- Section C (Statement of Work), Part C.8 (Operational Specifications), Specification 2 (Immobilized Low-Activity Waste Product), Section 2.2 (Requirements), Subsection 2.2.2 (Product Requirements), remove and replace paragraph number 2.2.2.10.
- Section J (List of Attachments), Attachment E [List of Applicable Directives (List B-DEAR 970.5204.78)], paragraph (b), change DOE O 442.1A to include Supplemented Revision 2 and remove Supplemented Revision 1.

These changes are performed under the authority provided by Contract Clause I.82, FAR 52.243-2 *Changes – Cost Reimbursement (AUG 1987) – Alternate III (APR 1984)*, and Contract Clause I.117, DEAR 970.5204-78 *Laws, Regulations, and DOE Directives (Jun 1997)*, at no additional cost to the Government.

Description of Modification:

1. The table in Section B, *Supplies or Services and Prices/Costs*, Contract Section B.2 *Obligation and Availability of Funds and Contract Value*, is revised to add the following Low Activity Waste, Analytical Laboratory, Balance of Facilities, Program Direction, and IEWO funding:
 - a) Low Activity Waste funding for B&R No. (Control Point) 1111241 is increased by \$2,000,000.00, from \$416,530,590.00, to \$418,530,590.00. The \$2,000,000.00 increase in Low Activity Waste funding is directed by Procurement Request Number 13EM000976.
 - b) Analytical Laboratory funding for B&R No. (Control Point) 1111242 is increased by \$10,000,000.00, from \$180,142,947.90, to \$190,142,947.90. The \$10,000,000.00 increase in Analytical Laboratory funding is directed by Procurement Request Number 13EM000976.

c) Balance of Facilities funding for B&R No. (Control Point) 1111243 is increased by \$2,000,000.00, from \$126,000,000.00, to \$128,000,000.00. The \$2,000,000.00 increase in Balance of Facilities is directed by Procurement Request Number 13EM000976.

d) Program Direction funding for B&R No. (Control Point) 1110458 is increased by \$150,000.00, from \$350,000.00, to \$500,000.00. The \$150,000.00 increase in Program Direction funding is directed by Procurement Request Number 13EM000713.

e) IEWO funding is increased as follows:

IEWO M0SRV00028 Amendment 25 Funding (SRNS)	\$500,000.00
IEWO M0SRV00028 Amendment 26 Funding (SRNS)	\$400,000.00
IEWO M0SRV00028 Amendment 27 Funding (SRNS)	\$250,000.00
IEWO M0ORV00088 Funding (ORNL)	\$53,000.00

As a result of the above, total funding for IEWO M0SRV00028 is increased by \$1,150,000, from \$3,496,201.00, to \$4,646,201.00. IEWO M0ORV00088 (ORNL) funding is established at \$53,000.00.

In summary, the Low Activity Waste funding is increased by \$2,000,000.00, from \$416,530,590.00, to \$418,530,590.00. The Analytical Laboratory funding is increased by \$10,000,000.00, from \$180,142,947.90, to \$190,142,947.90. The Balance of Facilities funding is increased by \$2,000,000.00, from \$126,000,000.00, to \$128,000,000.00. The Program Direction funding is increased by \$150,000.00, from \$350,000.00, to \$500,000.00. *Total IEWO Funding* is increased by \$1,203,000.00, from \$77,688,795.47, to \$78,891,795.47. The *Total Budgetary Control Points for WTP Project* amount is increased by \$15,353,000.00, from \$8,048,578,421.92, to \$8,063,931,421.92.

The table in Section B, *Supplies or Services and Prices/Costs*, Contract Clause B.2, *Obligation and Availability of Funds and Contract Value*, is deleted in its entirety and replaced in full as follows:

BUDGETARY CONTROL POINTS FOR WTP PROJECT			
Description	Appropriation Symbol	B&R No. (Control Point)	Budget Authority
	1250	1110401	\$3,006,205,907.70
LAW	1250	1111183	\$637,537,062.71
LAB	1250	1111184	\$207,817,505.32

BOF	1250	1111185	\$261,722,260.48
HLW	1250	1111186	\$559,575,663.61
PT	1250	1111187	\$840,654,550.43
LAW	1250 and 1260	1111241	\$418,530,590.00
LAB	1250 and 1260	1111242	\$190,142,947.90
BOF	1250 and 1260	1111243	\$128,000,000.00
HLW	1250 and 1260	1111244	\$624,649,971.00
PT	1250 and 1260	1111245	\$1,108,423,167.30
Subtotal - Budgetary Controls Points for WTP Project thru Contract Modification 293			\$7,983,259,626.45
BUDGETARY CONTROL POINTS FOR PROGRAM DIRECTION			
Description	Appropriation Symbol	B&R No. (Control Point)	Budget Authority
PD	1250	1110462	\$1,280,000.00
PD	1250	1110458	\$500,000.00
Subtotal - Budgetary Controls Points, including Project Direction, thru Contract Modification 293			\$7,985,039,626.45
INTER-ENTITY WORK ORDER FUNDING			
IEWO Identification Numbers	IEWO Amendment No.	Funding	
M0SRLE60 Funding (SRNS/SRNL)	40	\$73,957,217.82	
M0SRV00028 Funding (SRNS)	27	\$4,646,201.00	
M0SRV00036 Funding (WSRC)	2	\$186,500.00	
M0SRV00042 Funding (ORNL)	2	\$27,599.05	
M0IDV00061 Funding (BEA)	1	\$21,277.60	
M0ORV00088 Funding (ORNL)	0	\$53,000.00	
Total - IEWO Funding		\$78,891,795.47	
Total Budgetary Control Points for WTP Project			\$8,063,931,421.92

2. Section C (Statement of Work), Part C.6 (Standards), Standard 9 (Nuclear Safety); paragraph 3 (b). is modified to delete the reference to Hazard Analysis Reports (HAR). As a result, remove and replace paragraph 3 with the following:

3. *The Contractor shall prepare and submit to DOE for review and approval the nuclear safety-related deliverables required by 10 CFR 830, Subpart B, as well as the following per BNI procedures:*

- (a) *Criticality Safety Evaluation Report;*
- (b) *Safety Evaluation(s) (SE) that support Justifications for Continued Design, Procurement, and Installation (JCDPI);(293)*
- (c) *Authorization Basis Amendment Requests (ABAR)*

3. Section C (Statement of Work), Part C.8 (Operational Specifications), Specification 2 (Immobilized Low-Activity Waste Product), Section 2.2 (Requirements), Subsection 2.2.1 (References), add paragraph number 2.2.1.21 as follows:

2.2.1.21 *Appendix I.7: ILAW Special Packaging Authorization of the Hanford Sitewide Transportation Safety Document, Revision 1-E, DOE/RL-2001-36, May 2011. (293)*

4. Section C (Statement of Work), Part C.8 (Operational Specifications), Specification 2 (Immobilized Low-Activity Waste Product), Section 2.2 (Requirements), Subsection 2.2.2 (Product Requirements), remove and replace paragraph number 2.2.2.10 with the following:

2.2.2.10 *Surface Contamination Limitations: Removable contamination on the external surfaces of the package shall be maintained as low as reasonably achievable (49 CFR 173.443) as defined by DOE/RL-2001-36 Appendix I.7. (293)*

5. Update the table in Contract Section J, titled List of Attachments, Attachment E, titled List of Applicable Directives (LIST B-DEAR 970.5204.78), paragraph (b), and replace DOE O 442.1A & Supplemented Rev. 1, CRD, Department of Energy Employee Concerns Program (A029), with DOE O 442.1A & Supplemented Rev. 2, CRD, Department of Energy Employee Concerns Program (A029)(293). The table in Contract Section J, Attachment E, paragraph (b) is deleted in its entirety and replaced in full as follows:

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
06-AMD-050 (CCN 144548)	08/28/06	Office of Environmental Management Interim Guidance, "Safety Integration into Early Phases of Environmental Management Facility Design." (M084)	The letter is effective regardless of comment above at (b) (M175)
DOE/RL-88-21	10/01/96 12/21/99	Double-Shell Tank Unit Permit Application	Contract Clause C.6, Standard 7(e)(4)(vi)(B) & Contract Clause C.8, Specification 7,

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
			7.2.1.4 and 7.2.2.1; Specification 8, 8.2.1.4 and 8.2.2.1 (M175)
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High Level Waste Forms (WAPS) Revision 2 (M114)	Contract Clause C.8, Specification 1, 1.2.1.4 and 1.2.2.1.1 (M175)
DOE/RL-94-02	06/2010	Hanford Emergency Management Plan (Revision 4, June 2010) (A197)	Contract Clause C.6, Standard 4(j) and Standard 7(e)(1) Table S7-1 (M175) Refer to Note 5 (A197)
DOE M 140.1-1B, CRD	03/30/01	Interface with Defense Nuclear Facilities Safety Board.	Contract Clause C.4 (d) (M175)
DOE O 142.3A, CRD	10/14/10	Unclassified Foreign Visits and Assignments Program. (M047) (M124) (204)	The order is effective regardless of comment above at (b) (M175)
DOE O 205.1A, CRD	12/4/06	DELETED (M194)	
DOE M 205.1-2		DELETED (M175)	
DOE M 205.1-5, CRD		DELETED (M194)	
DOE M 205.1-6, CRD		DELETED (M194)	
DOE M 205.1-7, CRD		DELETED (M194)	
DOE M 205.1-8, CRD		DELETED (M194)	
DOE O 206.1, CRD	01/16/09	DOE Privacy Program (235)	The order is effective regardless of comment above at (b)
DOE O 210.2, CRD	06/16/06	DOE Corporate Operating Experience Program (M077)	Contract Clause H.49 (M175)
DOE O 221.1A, CRD	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General. (M133)	Refer to Note 3 (M175)
DOE O 221.2A, CRD	02/25/08	Cooperation with the Office of Inspector General. (M133)	Refer to Note 3 (M175)
DOE O 226.1A, CRD	7/31/07	Implementation of Department of Energy Oversight Policy (M069) (M108)	Contract Clause H.46 (M175)
DOE O 231.1A	08/19/03	Environment, Safety, and Health Reporting (M033)	Contract Clause C.6, Standard 1(d)(5) and (6) (M175)
DOE M 231.1-1A, Change 2, CRD	06/12/07	Environment, Safety and Health Reporting Manual (M175)	Contract Clause C.6, Standard 1(d)(6) and Standard 7(e)(1) Table S7-1 (M175)
DOE M 231.1-2, CRD		DELETED (256)	
SCRD M 231.1-2		DELETED (256)	
SCRD O 232.2	8/30/11	Occurrence Reporting and Processing of Operations Information, Revision 1 (268)	Contract Clause C.6, Standard 1(d)(5) and (6).

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
HFID-232-1B		DELETED (256)	
DOE N 234.1, CRD	02/27/08	Reporting of Radioactive Sealed Sources (M130)	The notice is effective regardless of comment above at (b) (M175)
DOE O 241.1, CRD	08/17/98	Scientific and Technical Information Management	Contract Clause G.8(c) (M175)
DOE/RW-0333P	10/01/08	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 20 (M099) (M134)	Contract Clause C.6, Standard 2(a)(2)(v), Standard 5(d), and Standard 7(e)(3)(ii)(A) and Contract Clause C.8, Specification 1, 1.2.1.7, 1.2.2.1.1, and 1.3 (M175)
DOE O 350.1, Chg 3, CRD	02/23/10	Contractor Human Resource Management Program (M171) (M175)	Contract Clause H.37 (M175)
DOE/RW-0351	5/31/07	Waste Acceptance System Requirements Document (WASRD) - Revision 5 (M114)	Contract Clause C.6, Standard 2(a)(3)(vii)(E) and Standard 6(c)(2) and Contract Clause C.8, Specification 1, 1.2.1.3 and 1.2.2.1.1 (M175)
DOE O 413.3A, CRD	07/28/06	DELETED (271)	
DOE M 413.3-1	03/28/03	DELETED (271)	
DOE O 413.3B, CRD	11/29/10	Program and Project Management for the Acquisition of Capital Assets. Refer to Note 7 for implementation (271).	Contract Clause C.3, paragraph (b), sub-paragraph (1), item (ix), C.6, Standard 1, opening paragraph, (a), (b)(3) and (c)(1) and Standard 5(a)(6) and (k).
DOE O 414.1C, CRD	04/16/10	Quality Assurance (M066)	Contract Clause C.6, Standard 7(e)(3)(i) & (iv) (M175)
DOE O 420.1B, Chapter V	12/22/05	Facility Safety (245)	The order is effective regardless of comment above at (b)
DOE O 422.1, CRD	06/29/10	Conduct of Operations (207)	The notice is effective regardless of comment above at (b). Contractor shall implement consistent with CCN 229138.
DOE O 425.1D, CRD	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities (M033) (A190)	Contract Clause C.6, Standard 5(a)(5), (c)(6), (e)(2), (f), and (g) (M175)
DOE O 435.1, Chg 1, CRD	08/28/01	Radioactive Waste Management.	Implementation of this DOE CRD using the graded approach; approved by 05-WED-047; CCN 136281 satisfies the comment above at (b). (M130) (M175) (278)
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual	Contract Clause C.8, Specification 2, 2.2.1.13, 2.2.2.23, & 2.4 (M175)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE M 441.1-1, CRD	03/07/08	Nuclear Material Packaging	The manual is effective regardless of comment above at (b) (M130) (M175)
DOE O 442.2, CRD	07/29/11	Differing Opinions for Technical Issues Involving Environment, Safety, and Health (271)	The order is effective regardless of comment above at (b) and implemented as described in CCN 246747.
DOE O 442.1A & Supplemented Rev. 2, CRD	06/06/01	Department of Energy Employee Concerns Program (A029) (293)	The order is effective regardless of comment above at (b) (M175) and implemented as described in CCN 249676. (293)
DOE M 442.1-1 CRD		DELETED (271)	
DOE M 450.4-1, CRD	11/01/06	Integrated Safety Management System Manual.	Attachment 1 to Contract Modification M097 – Contractor Requirements Document (M097) (M175)
DOE M 470.4-1, CRD	08/26/05	Safeguards and Security Program Planning and Management (M136) (M171)	Refer to Note 1 (M175)
DOE M 470.4-2A, CRD	07/23/09	Physical Protection	Contractor shall implement consistent with 08-ESQ-116 (CCN 181839) and confirmed by CCN – 208288) (A164) (M175)
DOE M 470.4-4A	01/16/09	Information Security Manual (M145)	Refer to Note 2 (M175)
DOE O 471.3, CRD	4/9/03	Identifying and Protecting Official Use Only Information (M087)	Contract Clause H.50 (M175)
DOE M 471.3-1, CRD	4/9/03	Manual for Identifying and Protecting Official Use Only Information (M087)	Contract Clause H.50 (M175)
DOE O 475.1, CRD	12/10/04	Counterintelligence Program (M071)	Contract Clause C.6, Standard 8(c) (M175)
DOE/RW-0511, Volume I, Rev. 3	01/2007	Integrated Interface Control Document (IICD), High-Level Radioactive Waste and U.S. Department of Energy and Naval Spent Nuclear Fuel to the Civilian Radioactive Waste Management System (M114)	Contract Clause C.8, Specification 1, 1.2.1.10 and 1.2.2.1.1 (M175)
DOE O 551.1D, CRD	04/02/12	Official Foreign Travel. Refer to Note 4. (M141) (M175) (283)	Contract Clause I.109 (M175) . Implemented in accordance with CCN 243970 and 12-WTP-0272 (CCN 251792). (283)
DOE-HDBK-1092-2004, Appendix A	12/2004	DOE Electrical Safety Handbook. Refer to Note 6 (209)	The order is effective regardless of comment above at (b).

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
RL/REG-2000-04	07/03	DELETED (215)	
DOE/GRP-2000-06		Deleted through Contract Modification M082 (M175)	
DOE STD 3009	1994	Preparation Guide for DOE Nonreactor Nuclear Facility Safety Analysis Reports (Change Notice 3, March 2006) (A029) (M152)	Contract Clause C.6, Standard 9, Table S9-1 (M175)
DOE O 5480.20A, Change 1, CRD	07/12/01	Personnel Selection, Qualification, and Training requirements for DOE Nuclear Facilities (M152)	Contract Clause C.3(f)(6) (M175) (A190)
SCSP	5/9/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site - Bechtel National, Inc. (M071)	Contract Clause C.6, Standard 8(c) (M175)

Notes:

- Implementation of DOE M 470.4-1, CRD includes the following Sections:
 - Section A, *Safeguards and Security Program Planning and Management*
 - Section F, *Performance Assurance Program*
 - Section G, *Survey, Review, and Self-Assessment Programs*
 - Section I, *Facility Clearances and Registration of Safeguards and Security Activities*
 - Section J, *Safeguards and Security Training Program*
 - Section K, *Safeguards and Security Awareness Program*
 - Section N, *Incidents of Security Concern*

Please refer to CCN 182640 for detailed information on the implementation of each section.
- Contractor scope of DOE M 470.4-4A is limited to the OPSEC requirements listed in ORP Letter 08-ESQ-318 (CCN 192555) which states that the following actions are required:
 - Appoint an OPSEC Representative;
 - Ensure the OPSEC Representative attend Hanford OPSEC Working Group meetings on a quarterly basis;
 - Obtain OPSEC/Security Awareness Posters from Project Hanford Management Contracts Safeguards and Security Awareness Manager and ensure they are posted in BNI working areas; and
 - Annually conduct three OPSEC Reviews/Assessments of BNI work areas.
- The Contractor shall implement DOE O 221.1, CRD and DOE O 221.2, CRD into all new subcontract awards beginning January 1, 2003, except for those acquisitions for commercial items and for any new acquisition awards under \$100,000. DOE O 221.1A, DOE and DOE O 221.2A, CRD shall be implemented into all new subcontract awards beginning October 01, 2008, using the same criteria. Flow down of the requirements of these DOE Order CRDs to Subcontractors using these criteria meets the intent of ensuring compliance with the DOE Order CRD requirements.
- This Order deemed to be the "subsequent version of the order in effect at the time of award" per DEAR 952.247-70.
- The Contractor shall implement Rev. 4 (June 2010) of DOE/RL-94-02 over a period of one year as described in CCNs 207914 and 227444 (10-WTP-291).
- The Contractor shall implement DOE-HDBK-1092-2004, Appendix A, as described in 10-WTP-327 (CCN 229364) and CCN 229141.
- The Contractor shall implement DOE O 413.3B, as described in CCN 242792 and 12-WTP-0159.

6. All other terms and conditions remain unchanged.

7. Contractor's Statement of Release: In consideration of the Modification agreed to herein as complete equitable adjustment, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the changes as noted in this modification.

(End of Modification)